

Docket No. 742406-5  
Serial No. 09/545,851  
Page 2

IN THE CLAIMS:

Please amend claims 39 and 52 as follows.

39. (Currently Amended) A data transceiving system for causing a broadcasting station to transmit data to a plurality of television receivers through broadcasting and causing said television receivers to transmit response information to response information receiving equipment via a communication line,

wherein each of said television receivers receive determining data for determining initial transmission scheduling time and retrieval information containing a retrieval period transmitted by said broadcasting station at the same time,

~~and wherein the initial transmission schedule time is calculated with a random number using the data for determining initial transmission scheduling time,~~

and wherein the television receivers perform the following processing:

1) calculating the initial transmission scheduling time with a random number using the determining data for determining initial transmission scheduling time;

1) 2) transmitting the response information when the initial transmission scheduling time comes;

2) 3) when communication between the television receivers and the response information receiving equipment is unsuccessful, adding the retrieval period to the initial transmission scheduling time to calculate retrieval transmission scheduling time, and retransmitting the retrieval information at the calculated scheduling time;

3) 4) when the retransmission of the retrieval information is failed, calculating a subsequent retrieval transmission scheduling time by adding the retrieval period to the retrieval transmission scheduling time; and

Docket No. 742406-5

Serial No. 09/545,851

Page 3

4) 5) repeating a process for retransmitting the retrial information at the subsequent retrial transmission scheduling time until the retransmission of the retrial information is successful.

40. (Previously Presented) A television receiver for displaying images in response to receipt of data transmitted by a broadcasting device, for transmitting response information to response information receiving equipment via a communication line,

wherein the television receiver performs the following processing:

1) receiving determining data for determining initial transmission scheduling time and retrial information containing a retrial period transmitted by said broadcasting station at the same time;

2) calculating the initial transmission scheduling time with a random number using the data for determining initial transmission scheduling time, and receiving response information when the initial transmission scheduling time comes;

3) when communication between the television receivers and the response information receiving equipment is unsuccessful, adding the retrial period to the initial transmission scheduling time to calculate retrial transmission scheduling time, and retransmitting the retrial information at the calculated scheduling time;

4) when the retransmission of the retrial information is failed, calculating a subsequent retrial transmission scheduling time by adding the retrial period to the retrial transmission scheduling time; and

5) repeating a process for retransmitting the retrial information at the subsequent retrial transmission scheduling time until the retransmission of the retrial information is successful.

41. (Canceled)

Docket No. 742406-5  
Serial No. 09/545,851  
Page 4

42. (Previously Presented) The television receiver according to claim 40, wherein determination as to whether or not to make retrieval transmissions is based on a transmission end time sent from said broadcasting device.

43 (Previously Presented) The television receiver according to claim 40, comprising detection means for detecting causes of non-establishment of communications with said response information receiving equipment.

44. (Previously Presented) The television receiver according to claim 43, comprising retrieval condition alteration means for altering conditions for subsequent retrieval transmissions based on said detected causes.

45. (Previously Presented) The television receiver according to claim 44, wherein said retrieval condition alteration means generate notification data for altering a setting time width for retrieval transmissions.

46. (Previously Presented) The television receiver according to claim 44, wherein said retrieval condition alteration means suspend retrieval transmissions.

47. (Previously Presented) The television receiver according to claim 43, wherein notification data is generated for notifying of said detected causes.

48. (Previously Presented) The television receiver according to claim 40, wherein time remaining for transmission is computed from a transmission end time sent from said broadcasting device, and said retrieval transmission conditions are altered according to said time remaining for transmission.

49. (Previously Presented) The television receiver according to claim 40, wherein notification data is generated for notifying of results of communications with said response information receiving equipment.

Docket No. 742406-5  
Serial No. 09/545,851  
Page 5

50. (Previously Presented) The television receiver according to claim 49, wherein communication results are received from said response information receiving equipment and notification data is generated.

51. (Previously Presented) The television receiver according to claim 49, wherein a history of communications with said response information receiving equipment is stored in a memory and notification data is generated.

52. (Currently Amended) The television receiver according to claim 41 ~~42~~, comprising:

storing means for storing said response information to be transmitted after a delay; and

notification means for notifying of said response information.

53. (Previously Presented) The television receiver according to claim 52, comprising editing means for editing said response information when an edit instruction is sent from a user.

54. (Previously Presented) A television receiver, comprising:  
means for receiving data sent from a broadcasting device;  
means for outputting display data to a display means based on said received data;  
means for inputting response information by an operator based on display of said display data by said display means; and  
communication means for transmitting said response information via a communication line

Docket No. 742406-5  
Serial No. 09/545,851  
Page 6

wherein said receiving means receives determining data for determining initial transmission scheduling time and retrieval information containing a retrieval period transmitted by said broadcasting station at the same time

and wherein the communication means performs the following processing:

- 1) calculating the initial transmission scheduling time with a random number using the data for determining initial transmission scheduling time, and receiving response information when the initial transmission scheduling time comes;
- 2) when communication between the television receivers and the response information receiving equipment is unsuccessful, adding the retrieval period to the initial transmission scheduling time to calculate retrieval transmission scheduling time, and retransmitting the retrieval information at the calculated scheduling time;
- 3) when the retransmission of the retrieval information is failed, calculating a subsequent retrieval transmission scheduling time by adding the retrieval period to the retrieval transmission scheduling time; and
- 4) repeating a process for retransmitting the retrieval information at the subsequent retrieval transmission scheduling time until the retransmission of the retrieval information is successful.

55. (Previously Presented) A television receiver, comprising:

means for receiving data sent from a broadcasting device;

means for displaying data based on said received data;

communication means for transmitting response information via a communication line,

Docket No. 742406-5  
Serial No. 09/545,851  
Page 7

wherein said receiving means determines data for determining initial transmission scheduling time and retrieval information containing a retrieval period transmitted by said broadcasting station at the same time,

and wherein the communication means performs the following processing:

- 1) calculating the initial transmission scheduling time with a random number using the data for determining initial transmission scheduling time, and receiving response information when the initial transmission scheduling time comes;
- 2) when communication between the television receivers and the response information receiving equipment is unsuccessful, adding the retrieval period to the initial transmission scheduling time to calculate retrieval transmission scheduling time, and retransmitting the retrieval information at the calculated scheduling time;
- 3) when the retransmission of the retrieval information is failed, calculating a subsequent retrieval transmission scheduling time by adding the retrieval period to the retrieval transmission scheduling time; and
- 4) repeating a process for retransmitting the retrieval information at the subsequent retrieval transmission scheduling time until the retransmission of the retrieval information is successful.

56. (Previously Presented) A data receiving device, comprising:

means for receiving data sent from a broadcasting device; and

communication means for transmitting response information via a communication line,

wherein said receiving means receives determining data for determining initial transmission scheduling time and retrieval information containing a retrieval period transmitted by said broadcasting station at the same time,

Docket No. 742406-5  
Serial No. 09/545,851  
Page 8

and wherein the communication means performs the following processing:

- 1) calculating the initial transmission scheduling time with a random number using the data for determining initial transmission scheduling time, and receiving response information when the initial transmission scheduling time comes;
- 2) when communication between the television receivers and the response information receiving equipment is unsuccessful, adding the retrial period to the initial transmission scheduling time to calculate retrial transmission scheduling time, and retransmitting the retrial information at the calculated scheduling time;
- 3) when the retransmission of the retrial information is failed, calculating a subsequent retrial transmission scheduling time by adding the retrial period to the retrial transmission scheduling time; and
- 4) repeating a process for retransmitting the retrial information at the subsequent retrial transmission scheduling time until the retransmission of the retrial information is successful.

57.-58. (Canceled)

59. (Previously Presented) The data receiver according to claim 56, wherein determination as to whether or not to make retrial transmission is made based on transmission end time provided by said broadcasting device.

60. (Previously Presented) The data receiver according to claim 56, comprising detection means for detecting causes of non-establishment of communications with said response information receiving equipment.

61. (Previously Presented) A television receiver, comprising:

Docket No. 742406-5  
Serial No. 09/545,851  
Page 9

a tuner for selecting a transport stream from data sent from a broadcasting device;

a transport decoder for selecting display data of a desired service from said selected transport stream;

an AV decoder for outputting said display data of said selected service to a monitor;

a control input unit for a user to input response information;

a line communication unit for sending said response information via a communication line;

a CPU; and

a memory in which a control program for said CPU is stored,

wherein said tuner receives determining data for determining initial transmission scheduling time and retrieval information transmitted by said broadcasting station at the same time,

and wherein said control program performs the following processing:

1) calculating the initial transmission scheduling time with a random number using the data for determining initial transmission scheduling time, and receiving response information when the initial transmission scheduling time comes;

2) when communication between the line communication unit and the response information receiving equipment is unsuccessful, adding the retrieval period to the initial transmission scheduling time to calculate retrieval transmission scheduling time, and retransmitting the retrieval information at the calculated scheduling time;



Docket No. 742406-5  
Serial No. 09/545,851  
Page 10

3) when the retransmission of the retrieval information is failed, calculating a subsequent retrieval transmission scheduling time by adding the retrieval period to the retrieval transmission scheduling time; and

4) repeating a process for retransmitting the retrieval information at the subsequent retrieval transmission scheduling time until the retransmission of the retrieval information is successful.

62. – 69. (Cancel)

70. (Previously Presented) A data transceiving method for receiving data from a broadcast device and sending response information via a communication line to a response information receiving equipment, comprising:

transmitting data for determining initial transmission scheduling time and retrieval information containing a retrieval period transmitted at the same time from said broadcasting device;

calculating the initial transmission scheduling time with a random number using the data for determining initial transmission scheduling time;

sending response information to the response information receiving equipment at the initial transmission scheduling time thus determined;

adding the retrieval period to the initial transmission scheduling time to calculate retrieval transmission scheduling time, and retransmitting the retrieval information at the calculated scheduling time when communication between the television receiver and the response information receiving equipment is unsuccessful;

calculating a subsequent retrieval transmission scheduling time by adding the retrieval period to the retrieval transmission scheduling time, when the retransmission of the retrieval information is failed; and

Docket No. 742406-5  
Serial No. 09/545,851  
Page 11

repeating a process for retransmitting the retrieval information at the subsequent retrieval transmission scheduling time until the retransmission of the retrieval information is successful.

71. (Previously Presented) A program embodied in a recording medium for controlling, by a computer, a television receiver that receives data broadcast from a broadcasting device and sends response information to response information receiving equipment via a communication line,

wherein said program comprises instructions of:

receiving determining data for determining initial transmission scheduling time and retrieval information containing a retrieval period transmitted at the same time from said broadcasting device;

adding the retrieval period to the initial transmission scheduling time to calculate retrieval transmission scheduling time, and retransmitting the retrieval information at the calculated scheduling time when communication between the television receiver and the response information receiving equipment is unsuccessful;

calculating a subsequent retrieval transmission scheduling time by adding the retrieval period to the retrieval transmission scheduling time, when the retransmission of the retrieval information is failed; and

repeating a process for retransmitting the retrieval information at the subsequent retrieval transmission scheduling time until the retransmission of the retrieval information is successful.